PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) See form PCT/ISA/210 Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION See paragraph 2 below R.305573 H1/Os International filing date (day/month/year) Priority date (day/month/year) International application No. 24.11.2003 08.09.2004 PCT/DE2004/001997 International Patent Classification (IPC) or both national classification and IPC F02M45/08, F02M61/16 Applicant ROBERT BOSCH GMBH This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Authorized officer Name and mailing address of the ISA/EP Telephone No.

Facsimile No.

International application No.
PCT/DE2004/001997

Bo	x No. I Basis of this opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language
	, which is the language of a translation furnished for the purposes of international search (under
	Rule 12.3 and 23.1(b)).
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
	a. type of material
	a sequence listing
	table(s) related to the sequence listing
	b. format of material
	in written format
	in computer readable form
	c. time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional comments:
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Box No. V		Reasoned statement under Rule 43bis.1(a)(l) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1.	Statement				
	Novelty	y (N)	Claims	4-9	YES
			Claims	1-3	NO NO
	Inventi	ve step (IS)	Claims		YES
			Claims	1-9	NO
	Industr	ial applicability (IA)	Claims	1-9	YES
			Claims		NO
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- Citations and explanations:
 - WO 03 040543 A (D1) (cf. figures 1-3) discloses a 1 fuel injection device, in particular for an internal combustion engine having direct fuel injection, having a housing (1) and at least two valve elements (5, 7) which are arranged in the housing (1), are coaxial with respect to one another and are in each case assigned at least one fuel outlet opening (14, 12), wherein a first sealing region (32) is provided on the outer valve element (5) radially outwards from the at least one fuel outlet opening (14) which is assigned thereto, said first sealing region (32) interacting with a valve seat (10) on the housing and being capable of separating the at least one fuel outlet opening (14) from a high pressure connection (16), wherein an additional sealing region (30) is provided on the outer valve element (5) between the at least one fuel outlet opening (14) which is assigned thereto and the inner valve element (7).
 - 1.1 The subject matter of claim 1 is therefore not novel (PCT Article 33(2)).

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Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- 1.2 Dependent claims 2-8 do not appear to contain any additional features which, in combination with the features of any claim to which claims 2-8 refer back, meet the PCT requirements for novelty or inventive step, because the subject matter of claims 2, 3 is known from D1 and the subject matter of claims 4-8 concerns a minor structural modification to the fuel injection device as per D1, of the kind that a person skilled in the art routinely makes on the basis of familiar considerations.
- 1.3 The features of independent claim 9 relate to an obvious method for producing an injection valve, of the kind that a person skilled in the art could arrive at without thereby being inventive.

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Box No. VII Certain defects in the international application			
The following defects in the form or contents of the international application have been noted:			
2	Contrary to PCT Rule 5.1(a)(ii), the description		
	does not cite D1 or indicate the relevant prior		
	art disclosed therein.		
2.1	The description is not consistent with the claims		
	(PCT Rule 5.1(a)(iii)).		
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